



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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August 6, 1985

TO: Board of Oil, Gas and Mining

THRU: Lowell P. Braxton, Administrator, Mineral Resource Development and Reclamation Program *lps*

FROM: *jn* John J. Whitehead, Permit Supervisor/Reclamation Hydrologist

RE: Executive Summary, Portland Cement Company of Utah, Little Mountain Limestone Quarry, ACT/045/005, Tooele County, Utah

Attached for your information is an Executive Summary for Portland Cement Company's Little Mountain Limestone Quarry. Public notice has been given and the 30-day public comment period has expired.

The Division recommends that the Board concur with the proposed \$47,526.00 surety.

btb
Attachments
0425R-1

EXECUTIVE SUMMARY

Mine Name: Little Mountain Quarry
Operator: Lone Star Industries
dba Portland Cement Co., of Utah
Tooele County, Utah
Telephone: (801) 328-4891
Contact Person: Tom Saunders
Life of Mine: 30 years
Legal Description: E1/2 of Section 20, Township 2 South, Range 6 West, Tooele
County, Utah
Mineral(s) to be Mined: Limestone and Shale
Mining Methods: Surface Mined (drilling and blasting)
Acres to be Disturbed: 20.4 acres
Present Land Use: Mining, Grazing
Postmining Land Use: Grazing
Variances from Reclamation Standards (Rule M-10) Granted: M-10(5) Highwalls; M-10
(7) Roads; M-10(12) Revegetation

Soils and Geology:

Soil Description: Gravelly Loam

pH: 7.9-9

Special Handling Problems: None

Geology Description: Mississippian Age - Great Blue Limestone/Manning Canyon Shale

Hydrology:

Ground Water Description: Ground water reported at 400 foot depth, mining occurs
above this depth.

Surface Water Description: Ephemeral wash to the north of the permit area.

Water Monitoring Plan: None, no discharges of water are expected.

Ecology:

Vegetation Type(s); Dominant Species: Bluebunch wheatgrass, Indian ricegrass,
Wyoming big sagebrush

Percent Surrounding Vegetative Cover: 65 percent estimated by the SCS

Wildlife Concerns: None

Surface Facilities: Limestone stockpiles, conveyor, office building, storage
buildings

Mining and Reclamation Plan Summary: See Attached

Surety:

Amount: \$47,526.00 (1986 dollars)

Form: Corporate Surety

Renewable Term: Annual

During Operations:

1. Limestone is drilled and blasted. Rock is hauled by front-end loader to a crushing system and stockpiled by conveyor. Front-end loader fills trucks with the crushed limestone for transport.
2. Site facilities will include mining machinery, crushed limestone stockpile, overburden waste pile, conveyor, office and storage buildings and access roads.
3. In the first phase, 250,000 tons per year (tpy) of crushed limestone and 75,000 tpy of shale will be open-pit mined (1985-1987). In the second phase, 350,000 tpy of limestone and 150,000 tpy of shale will be open-pit mined.
4. Little Mountain Quarry operation will save and store topsoil for use in reclamation. Runoff from disturbed areas is contained in a sediment control system.

Following Operations:

1. The site will be reclaimed by regrading, topsoil redistribution, preparing a seed bed and seeding.
2. Highwalls and the main access road will be left in place.